

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-11 (canceled)

Claim 12 (original): A method of performing a catheter-based procedure to a particular treatment site within a patient comprising:

- providing a catheter having a proximal end and a distal end and a radially extendible tissue engagement mechanism at its distal end;
- navigating the catheter so that the distal end is adjacent to the intended tissue location;
- causing the tissue engagement mechanism to extend into engagement with the tissue adjacent to treatment site; and
- performing the medical procedure while maintaining the tissue engagement mechanism in its extended position.

Claim 13 (original): A method of performing a catheter-based procedure as defined in claim 12 wherein the treatment site is the myocardium of the heart and the treatment is relieving the systems of ischemia.

Claim 14 (original): A method of performing a catheter-based procedure as defined in claim 13 wherein the treatment of ischemia comprises advancing a tissue implant through the catheter and into the tissue at the treatment site.

Claim 15 (original): A method of performing a catheter-based procedure as defined in claim 13 wherein the treatment for ischemia comprises delivering a therapeutic agent or cellular composition through the catheter to the treatment site.

Claim 16 (original): A method of performing a catheter-based procedure as defined in claim 12 wherein the treatment site is the myocardium of the heart and the treatment is relieving the systems of ischemia.

Claim 17 (original): A method for forming a catheter-based procedure wherein the tissue engagement mechanism comprises a tube in communication with a therapeutic agent pressurized from the proximal end of the catheter when the tissue engagement mechanism contacts the tissue to deliver the agent to the tissue.

Claim 18 (original): A method for delivering a tissue implant into myocardial tissue of the heart comprising:

- providing a catheter having at least one lumen and proximal and distal ends and a radially extendible tissue engagement mechanism at its distal end configured to be extended by the presence of a device in the lumen at the distal end of the catheter;

- navigating the catheter to the intended implant location in the myocardium;

- inserting a delivery device carrying the implant through the lumen of the catheter while applying a distal force in a distal direction upon both the catheter and the delivery device such that the distal end of the catheter abuts the implant site; and

- driving the implant through the distal end of the catheter to extend the catheter positioning mechanism to locate the distal end of the catheter so that the implant can be delivered to the intended tissue location.